

CALL
before you
Overhead

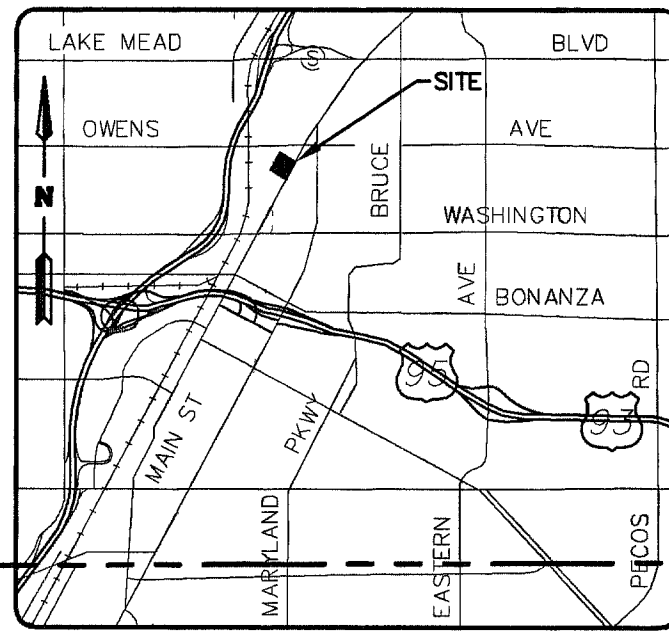
1-702-227-2929

UNDERGROUND SERVICE (USA)
AVOID CUTTING UNDERGROUND
UTILITY LINES. IT'S COSTLY.

CALL
before you
DIG

1-800-227-2600

UNDERGROUND SERVICE (USA)
AVOID CUTTING UNDERGROUND
UTILITY LINES. IT'S COSTLY.



VICINITY MAP
N.T.S.
S27, T20S, R61E

SEWER CONTRIBUTION

PEAK FLOW 41,424 GPD
AVERAGE DAILY FLOW 12,945 GPD

CLV FIRE DEPARTMENT

FIRE FLOW REQUIREMENT IS 2,750 GALLONS PER
MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL.

BASED ON:	BLDG A / B	BLDG C	BLDG D
SQUARE FOOTAGE:	41,784 SF	19,365 SF	2,722 SF
LARGEST AREA BETWEEN 4 HOUR SEPARATION WALLS:	41,784 SF	19,365 SF	2,722 SF
BUILDING HEIGHT:	24' / 27'-4"	27'	14'-8"
NUMBER OF STORIES:	2	2	1
TYPE OF CONSTRUCTION:	2-B	2-B	2-B
OCCUPANCY:	A-3, B, R-2	R-2	
FULL AUTOMATIC FIRE SPRINKLER SYSTEM:	YES	YES	YES
REVIEWED BY:			
DATE:			

CONSTRUCTION NOTES

- LOCATION OF UNDERGROUND UTILITIES ON THE DRAWINGS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR IN THE LOCATION SHOWN ON THE DRAWINGS.
- FOR GEOTECHNICAL REQUIREMENTS REFERENCE GEOTECHNICAL REPORT.
- CUT EXISTING WATERLINE AND CONNECT TO EXISTING 10" RPPA.
- MODIFY EXISTING STREETLIGHT BASE PER USD. NO. 325.
- INSTALL 2" SCH. 40 PVC CONDUIT FOR STREETLIGHT.

CLV # 521-228
CLV # 521-228-3

GRAPHIC SCALE

(IN FEET)
1 inch = 30 ft.

1"=30'

REVISION	DATE	BY	DESCRIPTION
1	10/15/05	KL	REVISED TRASH ENCLOSURE LOCATION
2	10/15/05	KL	REVISED SIDEWALK RAMPS, CURB RETURNS
3	10/15/05	KL	VALLEY CUTTER

LUCCHESI GALATI ARCHITECTS
PROJECT DEVELOPER
500 PILOT ROAD, SUITE A
LAS VEGAS, NV 89119
(702) 263-2111 F. (702) 263-8111

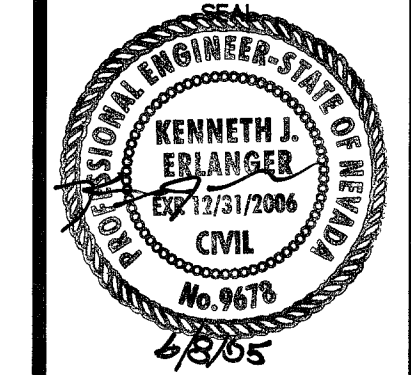
4130 S. SANDHILL, SUITE A-16
LAS VEGAS, NV 89121
PH. (702) 597-2988
FAX. (702) 597-0309

ENGINEERS, INC.

UTILITY PLAN

SHEET

DESIGNED BY:	CHECKED BY:	PROJECT NO:
KL	KL	17010
DATE:	DATE:	FILE NAME:
06/08/05	06/08/05	UT-170-10.DWG



SCALE	SHEET
HORIZONTAL: 1"=30'	C4
VERTICAL: N/A	4 OF 5 SHEETS
	CLV DWG #
	107V 4402

EX. BLDG
F.F. = 1912.9

EX. SSMH #1
STA. 14+60.4
RIM=1912.78
INV (N)=(1908.05)
INV (S)=(1908.08)

EX. SSMH #2
STA. 14+61.9
RIM=1916.08
INV (N)=(1912.36)
INV (W)=(1912.36)
INV (S)=(1912.42)

EX. SSMH #3
STA. 12+11.5
RIM=1928.26
INV (N)=(1923.81)
INV (S)=(1923.86)

EX. SSMH #4
STA. 14+61.9
RIM=1943.80
INV (N)=(1936.70)
INV (E)=(1937.65)
INV (S)=(1936.82)

LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPOSED GRADE
- EXISTING GRADE
- PROPOSED SANITARY SEWER LINE
- EXISTING SANITARY SEWER LINE
- PROPOSED WATER LINE
- EXISTING WATER LINE
- PROPOSED FIRE SPRINKLER LINE
- EXISTING GAS LINE
- EXIST./PROP. EDGE OF ASPHALT
- PROPERTY/RIGHT-OF-WAY LINE
- CENTERLINE
- EXIST./PROP. BLOCK WALL
- EX. OVERHEAD POWER/TELEPHONE
- SAWTOOTH LINE
- EXIST./PROP. SANITARY SEWER MANHOLE
- EXIST./PROP. 100W HPS STREETLIGHT
- EXIST./PROP. 150W HPS STREETLIGHT
- EXIST./PROP. 250W HPS STREETLIGHT
- HANDICAPPED SYMBOL
- EXIST./PROP. FIRE HYDRANT
- EXIST./PROP. GATE VALVE
- EXIST./PROP. REDUCING VALVE
- EXIST./PROP. CLEANOUT
- PROPOSED ASPHALT
- PROPOSED CONCRETE

ABBREVIATIONS

AC.....	ASPHALTIC CONCRETE
BCR.....	BEGINNING OF CURB RETURN
CSW.....	BACK OF SIDEWALK
CS.....	CLARK COUNTY
CLV.....	CITY OF LAS VEGAS
CHLV.....	CITY OF NORTH LAS VEGAS
COH.....	CITY OF HENDERSON
CO.....	CITY OF CLARK COUNTY
CONC.....	CONCRETE
EAC.....	EXISTING ASPHALTIC CONCRETE
ECR.....	END OF CURB RETURN
EP.....	EDGE OF PAVEMENT
ETC.....	EXISTING TOP OF CURB
EX.....	EXISTING
FF.....	FINISHED FLOOR
FL.....	FLOWLINE
GB.....	GRADE BREAK
HP.....	HIGH POINT
IE.....	INVERT ELEVATION
LVWD.....	LAS VEGAS VALLEY WATER DISTRICT
NTS.....	NOT TO SCALE
OH.....	EXISTING OVERHEAD POWER
PE.....	PAID ELEVATION
PL.....	PROPERTY LINE
PP.....	POWER POLE
SD.....	STORM DRAIN LINE
SF.....	SQUARE FEET
SL.....	STREET LIGHT
SS.....	SANITARY SEWERLINE
STA.....	STATION
SW.....	SIDEWALK
TB.....	TOP OF BERM
TO.....	TOP OF CURB
TYP.....	TYPICAL
VG.....	VALLEY GUTTER
WL.....	WATERLINE
WM.....	WATER METER

(2) Existing 10" Reduced Pressure Principle Assemblies must be brought up to LVVWD Standards per UDACS Plate #11E.

THIS PROPERTY MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE), PRESSURE REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRV'S ARE THE DEVELOPER'S RESPONSIBILITY, AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVVWD FACILITIES.

APPROVALS

CLV FIRE DEPARTMENT
DATE 6-8-05
APPROVAL OF THESE PLANS SHALL NOT BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS. FIRE FLOW 2,750 GPM AT 20 PSI RESIDUAL.

DATE 10-12-05
LAS VEGAS VALLEY WATER DISTRICT (SHEETS C1 AND C4)
PROJECT NO. H111157

PROJECT NAME H.E.L.P. Las Vegas @ Owens
This project water plan complies with the Las Vegas Valley Water District's technical requirements. However, this water plan is NOT APPROVED FOR CONSTRUCTION.
at this time and this signature does not provide or imply a water commitment
DATE 6/8/05
LVVWD
ESN 052
REVISED 06/01/04

BASIS OF BEARINGS

NORTH 89°42'26" EAST, BEING THE NORTH LINE OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 27, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA AS SHOWN PER FILE 107 OF PARCEL MAPS, PAGE 96.

BENCHMARK:

CITY OF LAS VEGAS BENCHMARK 70D1 22S5E6
RIVET & PLAT IN TOP OF CURB AT THE NORTHEAST CORNER OF OWENS AVENUE AND DAVIS PL.

ELEVATION = 1920.75 FEET (585.446 METERS) NAVD 83
83998.81 91351.84 97278

QUANTITIES

	PRIVATE	PUBLIC
3" PVC WATERLINE	90 LF	
6" PVC WATERLINE	36 LF	
10" PVC WATERLINE	934 LF	
FIRE HYDRANT ASSEMBLY	3 EA	
6" GATE VALVE	3 EA	
10" GATE VALVE	3 EA	
6" PVC SS (PRIVATE)	166 LF	

THESE QUANTITIES ARE FOR PLANS CHECKING PURPOSES ONLY AND SHOULD NOT BE USED BY CONTRACTORS TO DETERMINE FINAL QUANTITIES.